DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

NOTES

1. For additional details of Terminal System (Type FLEAT), refer to the manufacturer's installation instructions.

2. Terminal System (Type FLEAT) not to be used where extrusion of the rail on the front side of the installation would be in the path of pedestrian traffic.

3. For the length and type of metal beam guard railing or metal barrier railing the terminal system is attached to, see Project Plans. For typical use of this terminal system with guard railing, see the A77E, A77F and A77G Series of the Standard Plans.

4. Attach rail element to this post and block. Payment for this post, block and attaching hardware is included in payment for Terminal System (Type FLEAT).

PLAN

Attach Impact Head to wood Post No. 1 with lag screws.

150 mm x 200 mm Wood Post (Post No.3 thru No.8)

Cable Anchor Box

Impact Head

W-Beam Element End Section

708

162 mm to 1220 mm

Edge of paved shoulder or offset line of edge of traveled way.

W-Beam Element

11.43 m Straight flare

Pay limits for Terminal System (Type FLEAT)

Guard rail element exit on traffic side

See Note 3

Direction of adjacent traffic

ELEVATION
TERMINAL SYSTEM (TYPE FLEAT)

See Note 3

1905 1905 1905 1905 1905 1905

Wood Post No.2, See Section C-C.

Wood Post No.1, See Sections A-A and B-B.

Pavement or ground line

Rail Splice

Rail Splice

Anchor Cable

See Note 4

Wood Post No.4

Cable Anchor Box

Ground Strut

Wood Post, Nos. 5, 6 and 7, See Section D-D.

Wood Post No.3, See Section D-D.

Soil tube

SECTION A-A
Post No. 1

Impact Head

203 mm x 203 mm x 16 mm Bearing Plate

25 mm Hex Nut with (1) washer

Pavement or ground line

16 mm Ø x 254 mm Hex head bolt and 16 mm nut with (2) washers.

16 mm Ø x 190 mm Hex head bolt and 16 mm Nut

Soil Tube TS 203 x 152 x 3.2 1830 mm length

SECTION B-B
Partial view Post No. 1

Wood Post

BCT Cable Anchor Assy.

140

25 mm Hex Nut with (1) washer

Pipe Sleeve

Ground Strut

203 mm x 203 mm x 16 mm Bearing Plate

16 mm Ø x 254 mm Hex Head Bolt and 16 mm nut with (2) washers.

16 mm Ø x 190 mm Hex Head Bolt with 16 mm nut

Soil Tube TS 203 x 152 x 3.2 1830 mm length

SECTION C-C
at Post No. 2

Wood Post

190

16 mm Ø x 254 mm H.G.R. Bolt and 16 mm nut with (1) washer under nut only

Pavement or ground line

Ground Strut

Soil Tube TS 203 x 152 x 3.2 1830 length

16 mm Ø x 254 mm Hex Head Bolt and 16 mm nut with (2) washers

SECTION D-D
Post No. 3 through No. 7.

W-Beam rail

150 mm x 200 x 360 mm Wood Block

150 mm x 200 mm x 1.83 m Wood Post

16 mm Ø x 457 mm Bolt and 16 mm nut with (1) washer under nut only.

533

Pavement or ground line

90 mm Ø holes

406

1118

1.83 m

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM RAILING TERMINAL SYSTEM (TYPE FLEAT)

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

A77L5

05-10-04